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OPTIONAL FORM NO. 10
5010-104

UNITED STATES GOVERNMENT

Memorandum

SOUTHERN FOREST EXPERIMENT STATION
T 10210 FEDERAL BUILDING
701 LOYOLA AVENUE
NEW ORLEANS 12, LOUISIANA

4500
(FS-SO-2203-2.4)

TO : W. H. Bennett, FIL, Alexandria

DATE: June 11, 1963

FROM : L. W. Orr

SUBJECT: Forest Insect Research

I am returning herewith the approved ribbon copy of your study plan, "A BHC-attractant spray for drawing the black turpentine beetle to stumps."

Encl.

L W Orr

4500
FS-SO-2203-2.4

June 1963
Study Plan Summary
W. H. Bennett

A BHC-ATTRACTANT SPRAY FOR DRAWING THE BLACK TURPENTINE BEETLE TO STUMPS

This study is being undertaken to determine if a BHC-attractant formulation applied to freshly cut stumps will draw the black turpentine beetle, Dendroctonus terebrans (Oliv.), away from living trees.

The first phase of the study will evaluate the attractiveness of different concentrations of turpentine, turpentine plus benzoic acid, and alpha-pinene in diesel oil. A 0.5% BHC solution consisting of the most suitable attractant material then will be applied to stumps in replicated plots, each containing a damaged residual tree. The number of beetle attacks on residuals in the test plots will be compared to that in check plots, where stumps have been sprayed with a 0.5% BHC-diesel oil solution.